

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092518\
 Data File : BF109311.D
 Acq On : 26 Sep 2018 2:59
 Operator : JU/SJ
 Sample : J5055-03
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MAN-HOLE

Quant Time: Sep 26 08:26:09 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

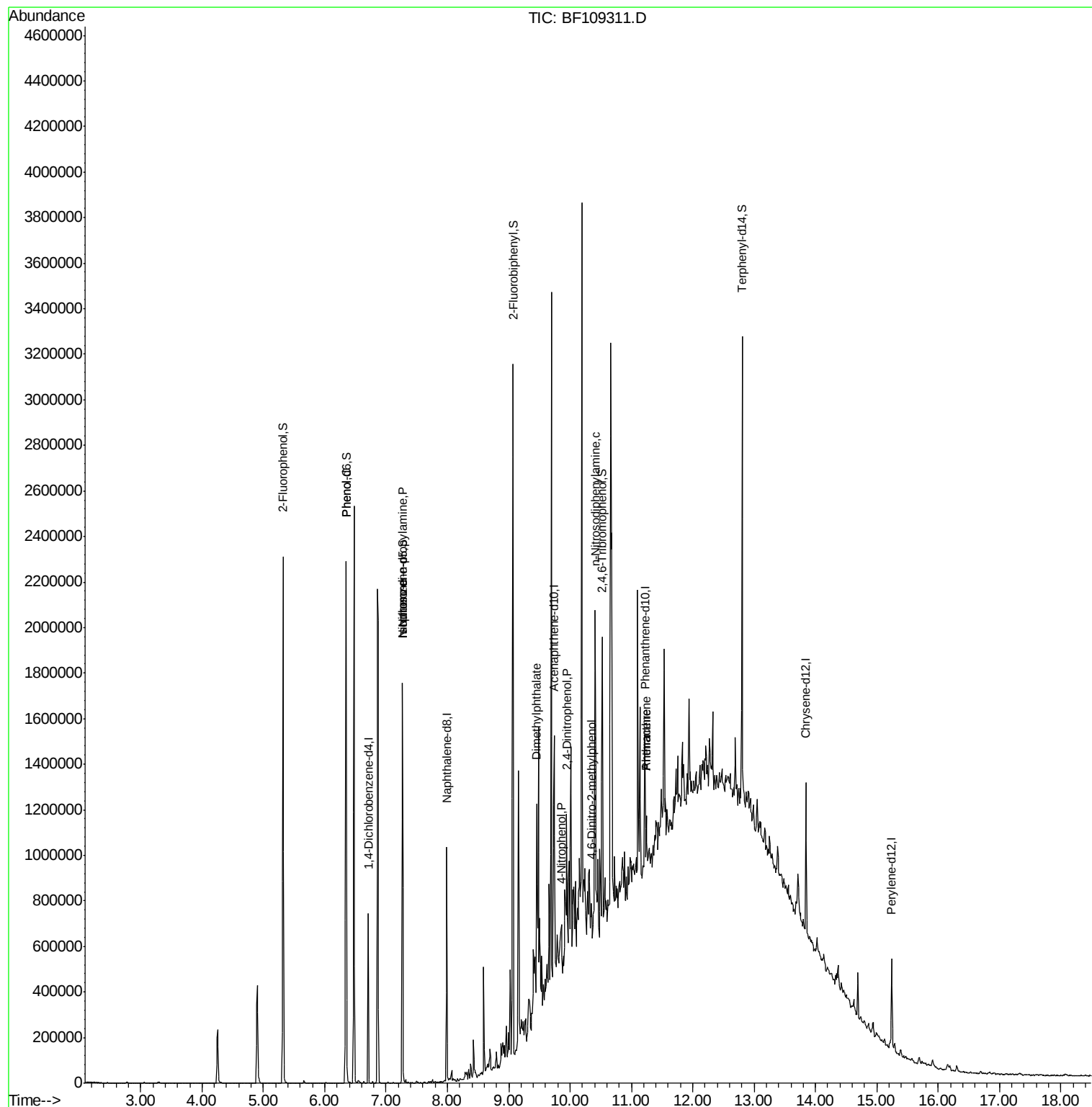
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	112760	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	403851	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	161056	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	251685	20.00	ng	0.00
75) Chrysene-d12	13.85	240	226064	20.00	ng	0.00
86) Perylene-d12	15.24	264	171375	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	655747	95.78	ng	0.00
7) Phenol-d6	6.35	99	902262	103.28	ng	0.00
23) Nitrobenzene-d5	7.27	82	553778	80.95	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	126336	79.57	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	960080	89.91	ng	0.00
78) Terphenyl-d14	12.80	244	718416	77.99	ng	0.00
Target Compounds						
10) Phenol	6.36	94	26619	2.691	ng	91
19) n-Nitroso-di-n-propylamine	7.27	70	75194	13.136	ng	# 79
25) Isophorone	7.27	82	535937	43.504	ng	# 64
49) Dimethylphthalate	9.46	163	187886	16.039	ng	# 97
53) 2,4-Dinitrophenol	9.94	184	312	8.841	ng	# 1
55) 4-Nitrophenol	9.85	139	4721	2.333	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.36	198	664	7.089	ng	# 1
65) n-Nitrosodiphenylamine	10.40	169	31987	3.847	ng	# 38
70) Phenanthrene	11.24	178	65903	5.244	ng	# 94
71) Anthracene	11.24	178	65903	5.171	ng	# 93

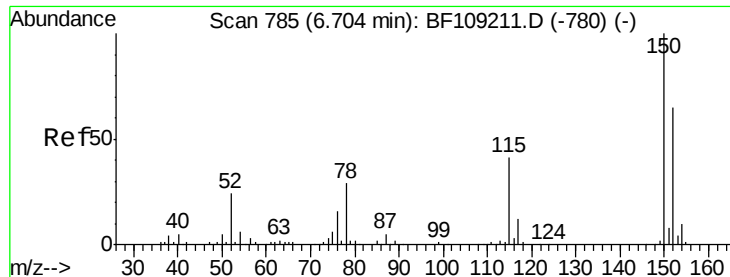
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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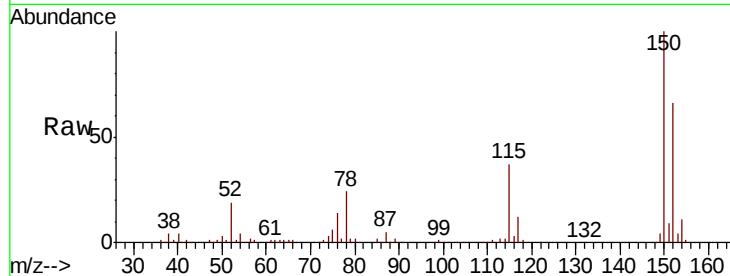


#1

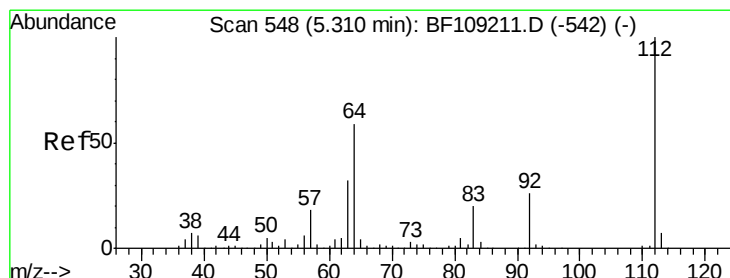
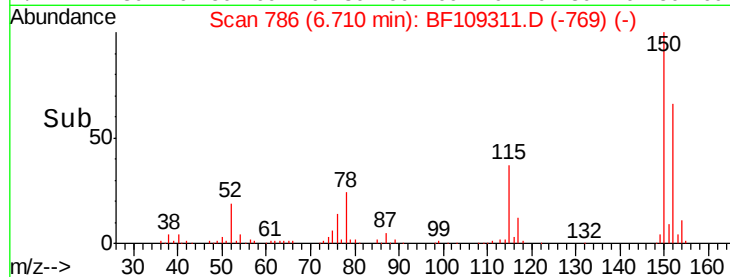
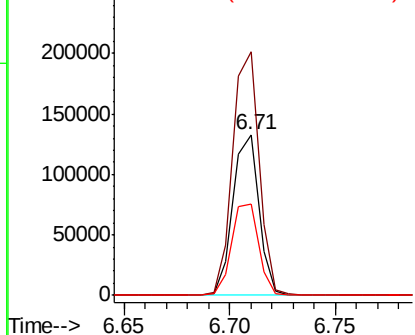
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.71 min Scan# 786
 Delta R.T. 0.00 min
 Lab File: BF109311.D
 Acq: 26 Sep 2018 2:59

Instrument :
 BNA_F
 ClientSampleId :
 MAN-HOLE

Tgt Ion:152 Resp: 112760
 Ion Ratio Lower Upper
 152 100
 150 151.8 124.6 186.8
 115 56.5 50.1 75.1



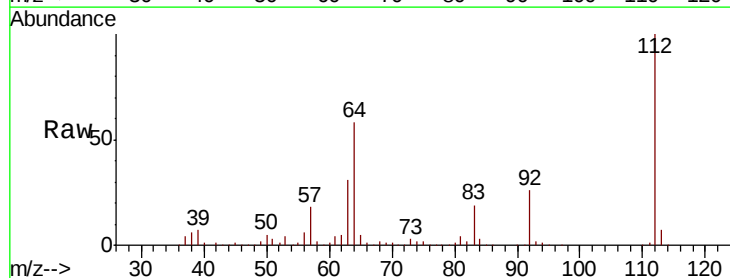
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



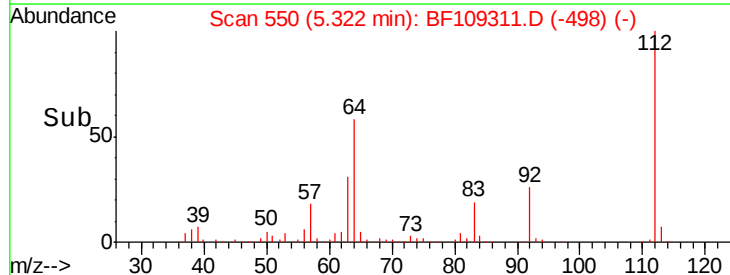
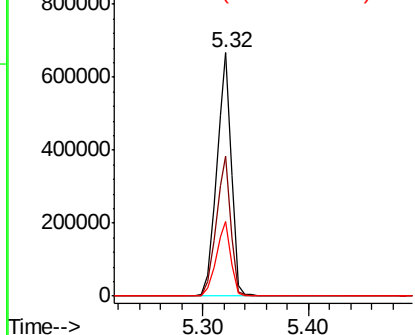
#5

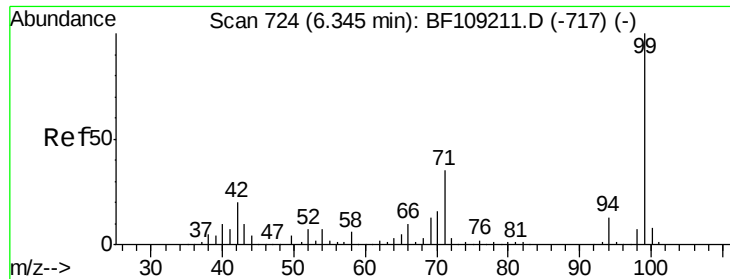
2-Fluorophenol
 Concen: 95.784 ng
 RT: 5.32 min Scan# 550
 Delta R.T. 0.01 min
 Lab File: BF109311.D
 Acq: 26 Sep 2018 2:59

Tgt Ion:112 Resp: 655747
 Ion Ratio Lower Upper
 112 100
 64 57.6 47.9 71.9
 63 30.7 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 103.283 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF109311.D

Acq: 26 Sep 2018 2:59

Instrument :

BNA_F

ClientSampleId :

MAN-HOLE

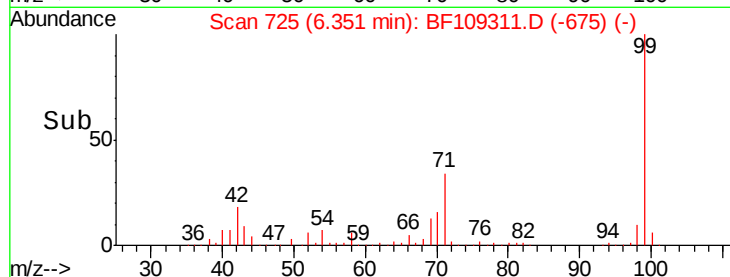
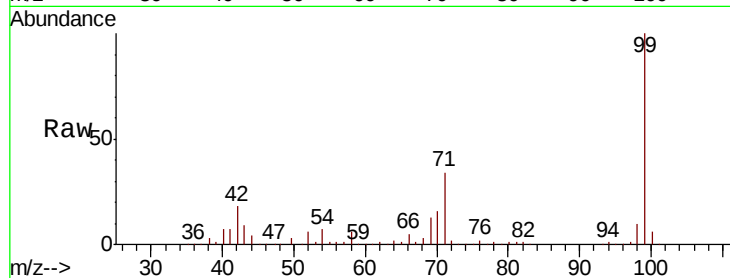
Tgt Ion: 99 Resp: 902262

Ion Ratio Lower Upper

99 100

42 18.0 14.5 21.7

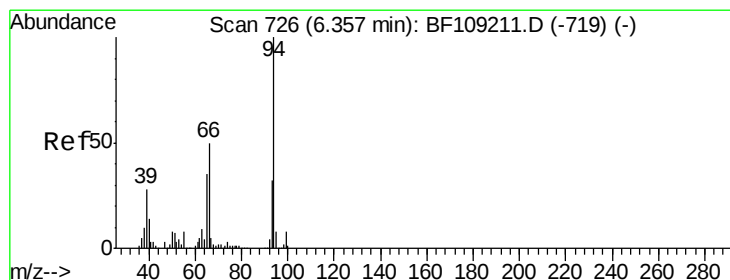
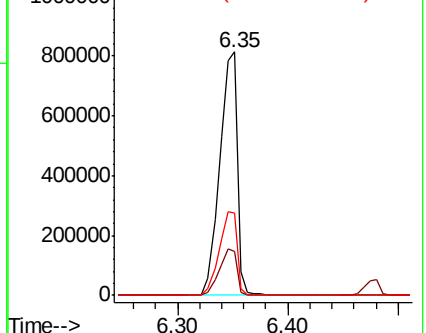
71 34.1 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.691 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF109311.D

Acq: 26 Sep 2018 2:59

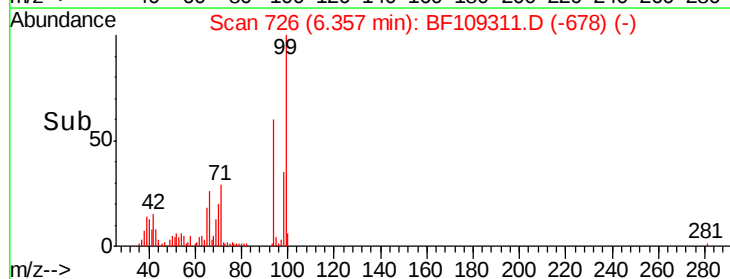
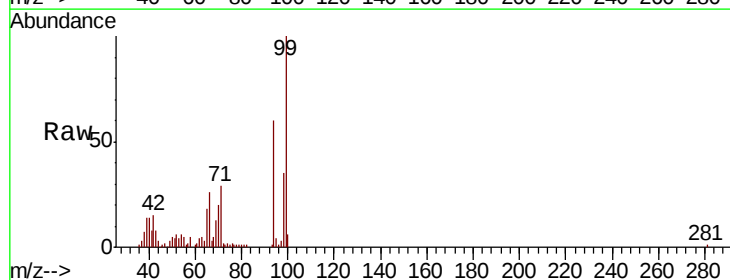
Tgt Ion: 94 Resp: 26619

Ion Ratio Lower Upper

94 100

65 29.6 7.9 47.9

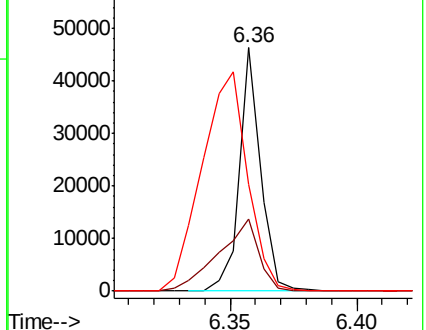
66 43.6 16.2 56.2

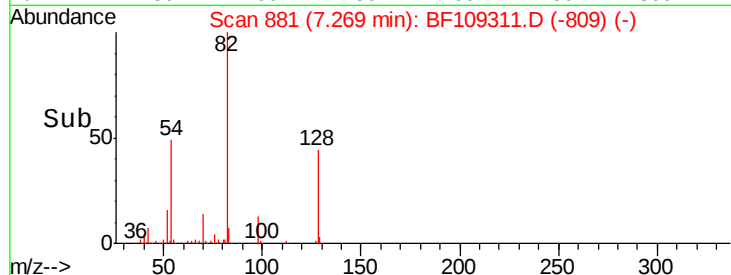
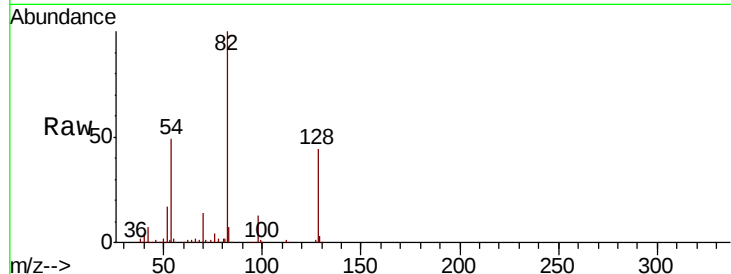
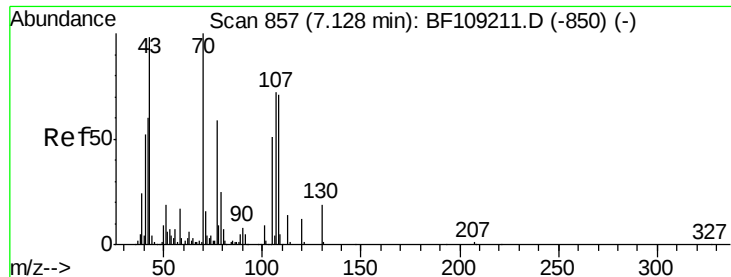


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

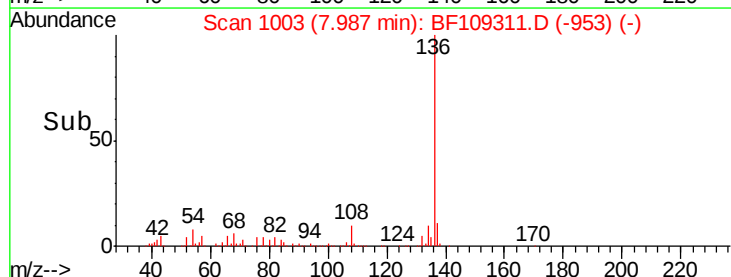
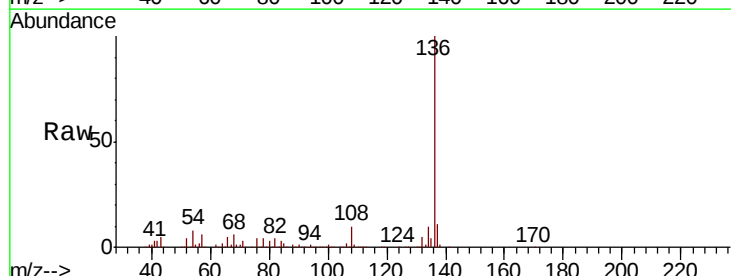
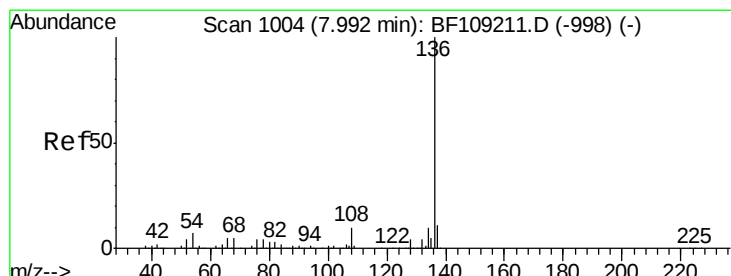
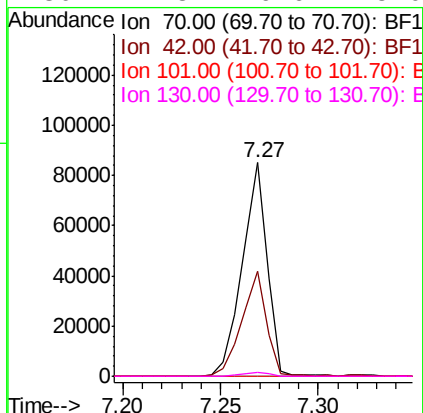




#19
n-Nitroso-di-n-propylamine
Concen: 13.136 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.12 min
Lab File: BF109311.D
Acq: 26 Sep 2018 2:59

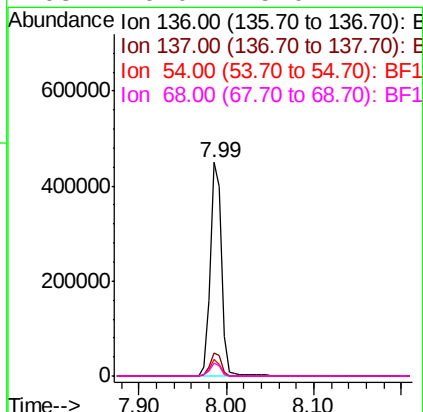
Instrument :
BNA_F
ClientSampleId :
MAN-HOLE

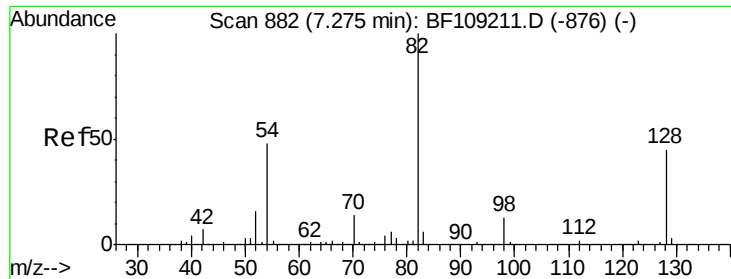
Tgt Ion: 70 Resp: 75194
Ion Ratio Lower Upper
70 100
42 49.2 47.5 71.3
101 0.0 7.4 11.2#
130 1.8 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF109311.D
Acq: 26 Sep 2018 2:59

Tgt Ion: 136 Resp: 403851
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 8.0 6.6 9.8
68 6.0 5.0 7.4

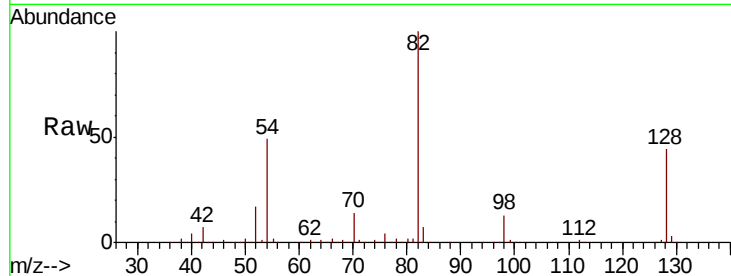




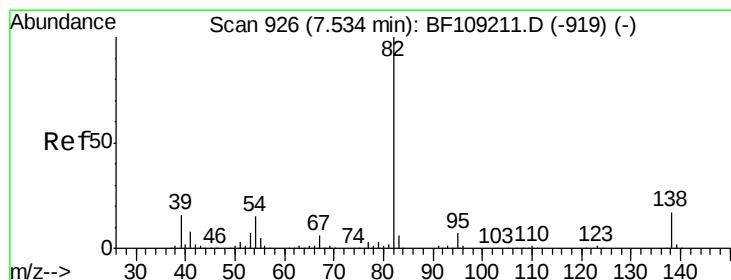
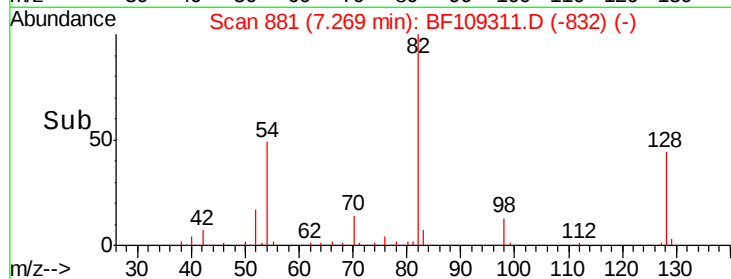
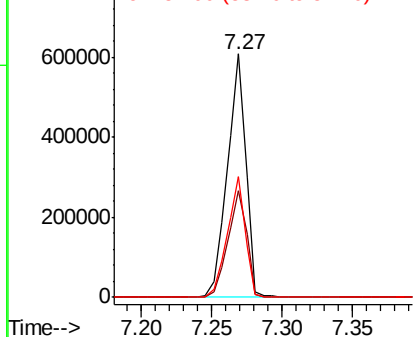
#23
 Nitrobenzene-d5
 Concen: 80.947 ng
 RT: 7.27 min Scan# 881
 Delta R.T. -0.01 min
 Lab File: BF109311.D
 Acq: 26 Sep 2018 2:59

Instrument :
 BNA_F
 ClientSampleId :
 MAN-HOLE

Tgt Ion: 82 Resp: 553778
 Ion Ratio Lower Upper
 82 100
 128 43.8 36.1 54.1
 54 49.4 41.4 62.2

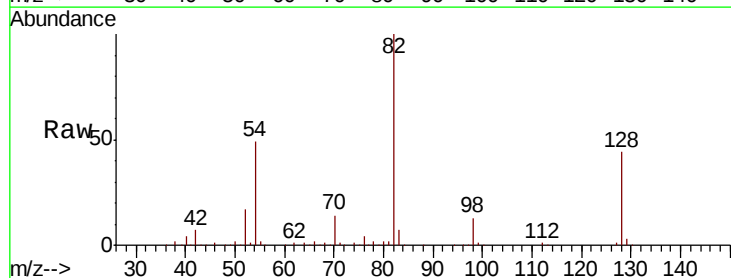


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

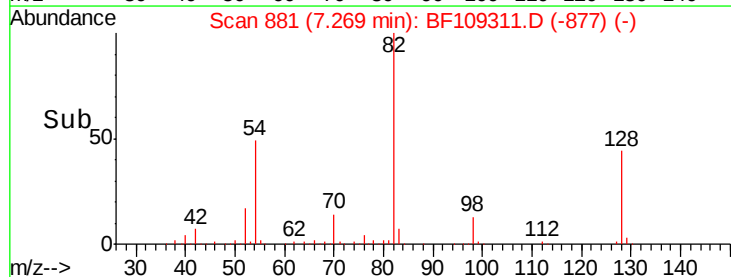
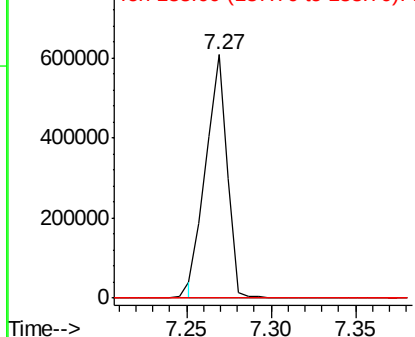


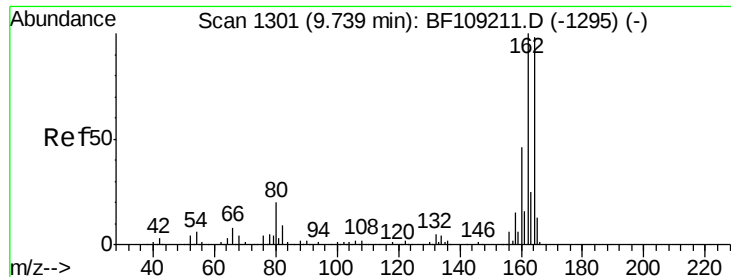
#25
 Isophorone
 Concen: 43.504 ng
 RT: 7.27 min Scan# 881
 Delta R.T. -0.28 min
 Lab File: BF109311.D
 Acq: 26 Sep 2018 2:59

Tgt Ion: 82 Resp: 535937
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1

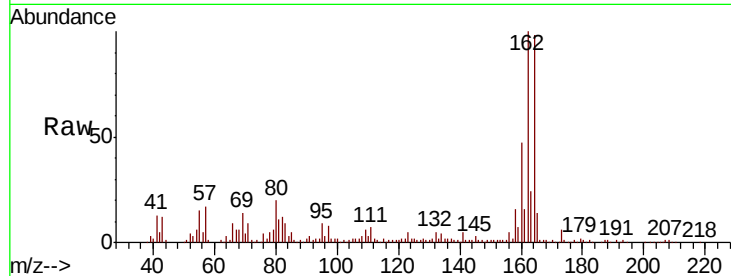




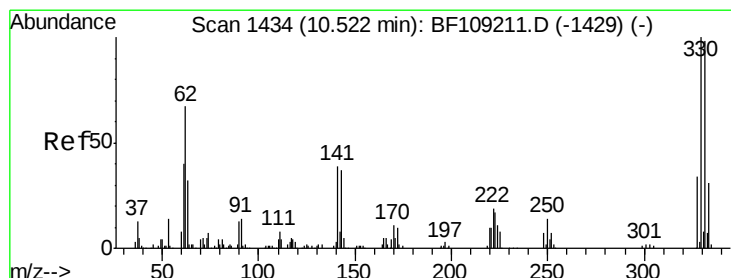
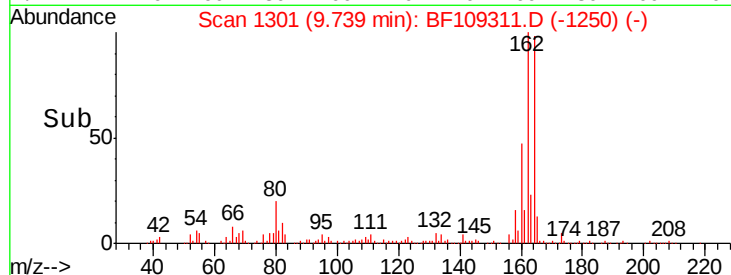
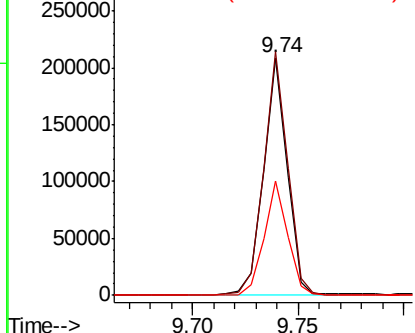
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: BF109311.D
 Acq: 26 Sep 2018 2:59

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion:164 Resp: 161056
 Ion Ratio Lower Upper
 164 100
 162 102.5 86.1 129.1
 160 47.9 38.3 57.5

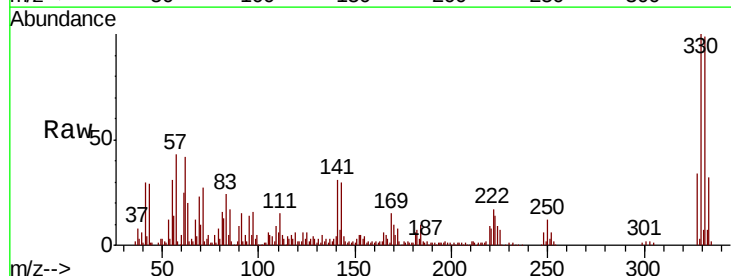


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

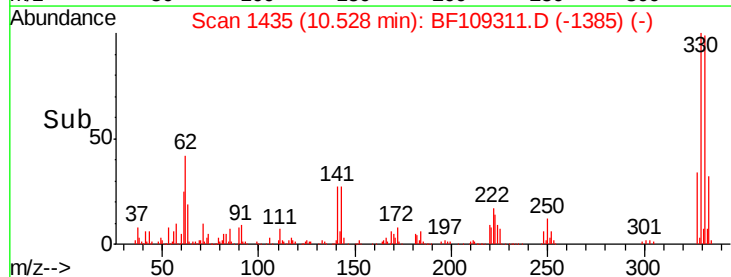
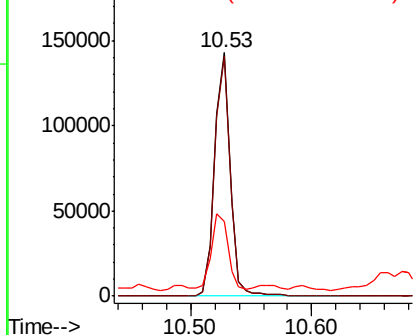


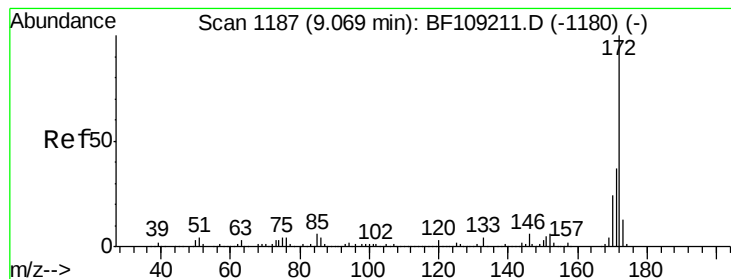
#41
 2,4,6-Tribromophenol
 Concen: 79.573 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: BF109311.D
 Acq: 26 Sep 2018 2:59

Tgt Ion:330 Resp: 126336
 Ion Ratio Lower Upper
 330 100
 332 98.4 77.0 115.6
 141 32.6 29.9 44.9



Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 89.906 ng

RT: 9.07 min Scan# 1187

Delta R.T. -0.01 min

Lab File: BF109311.D

Acq: 26 Sep 2018 2:59

Instrument :

BNA_F

ClientSampleId :

MAN-HOLE

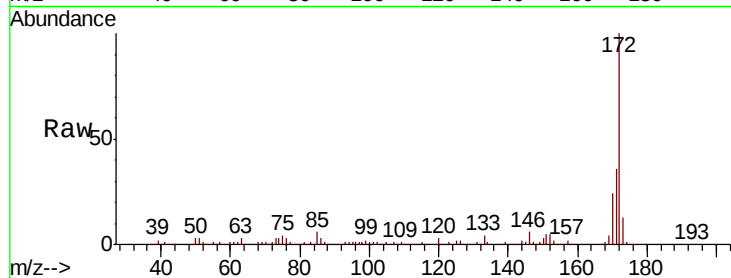
Tgt Ion:172 Resp: 960080

Ion Ratio Lower Upper

172 100

171 35.8 29.7 44.5

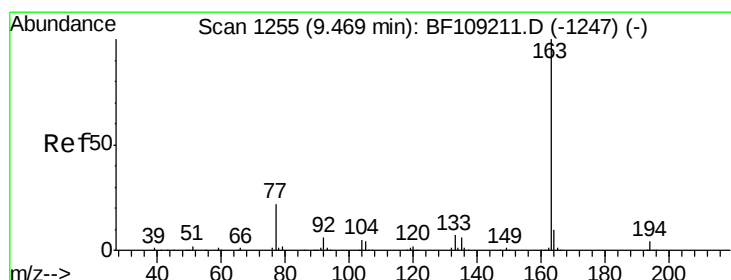
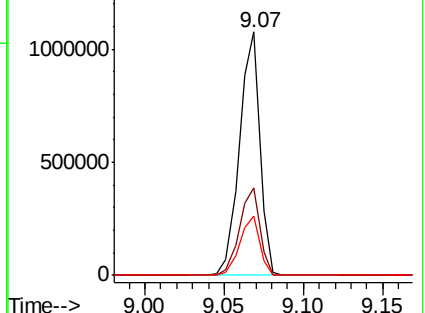
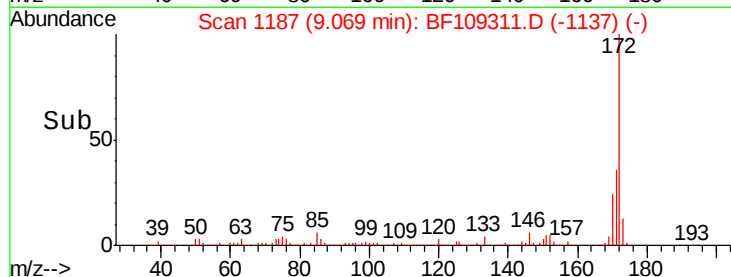
170 24.1 19.6 29.4



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49

Dimethylphthalate

Concen: 16.039 ng

RT: 9.46 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF109311.D

Acq: 26 Sep 2018 2:59

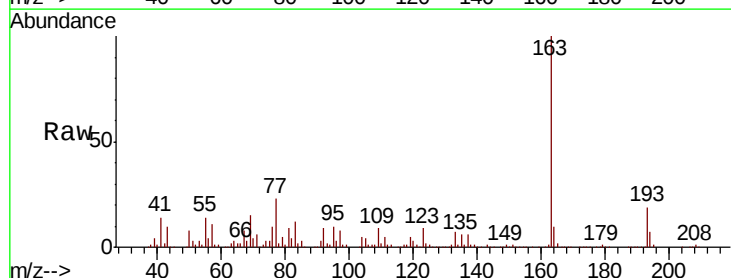
Tgt Ion:163 Resp: 187886

Ion Ratio Lower Upper

163 100

194 6.5 2.7 4.1#

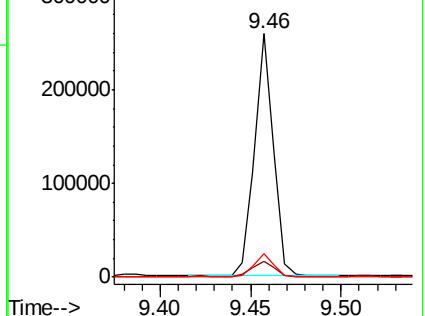
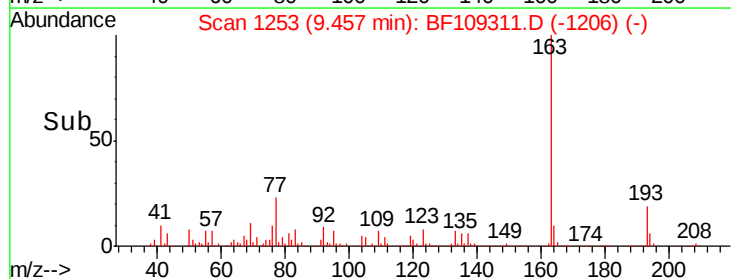
164 9.9 8.2 12.2

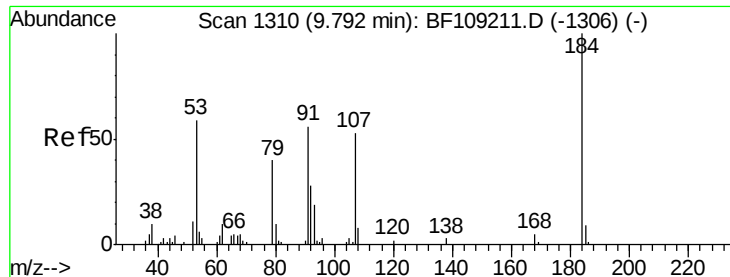


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

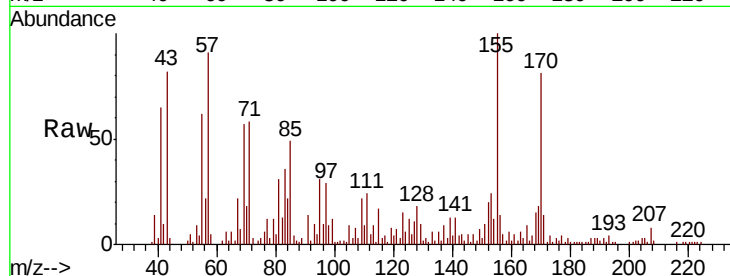




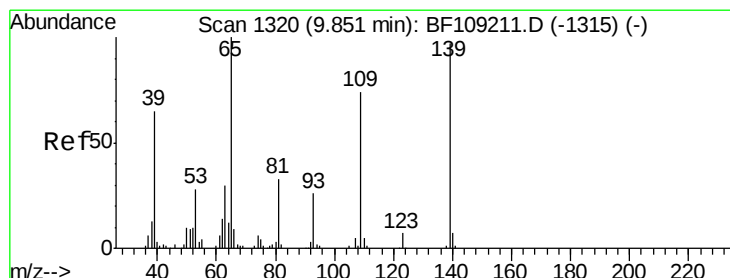
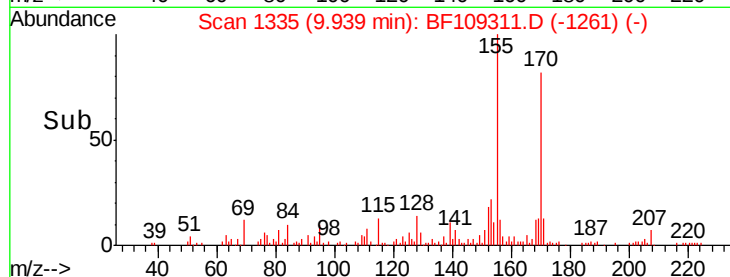
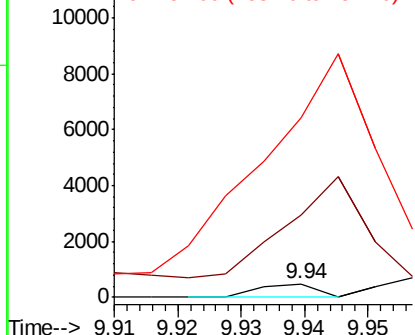
#53
 2,4-Dinitrophenol
 Concen: 8.841 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. 0.14 min
 Lab File: BF109311.D
 Acq: 26 Sep 2018 2:59

Instrument :
 BNA_F
 ClientSampleId :
 MAN-HOLE

Tgt Ion:184 Resp: 312
 Ion Ratio Lower Upper
 184 100
 63 614.1 54.2 81.2#
 154 1336.0 184.0 276.0#

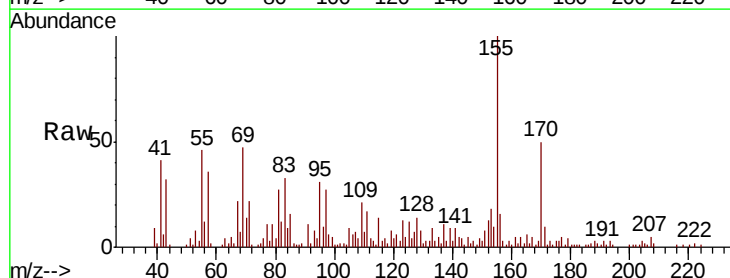


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 154.00 (153.70 to 154.70): E

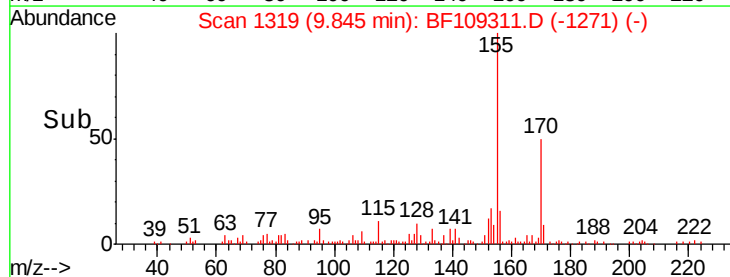
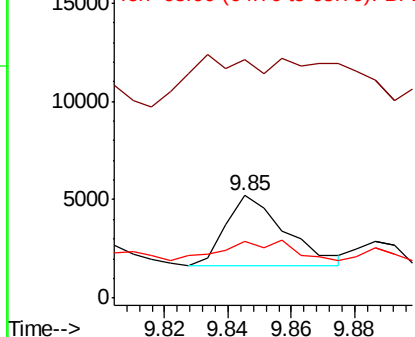


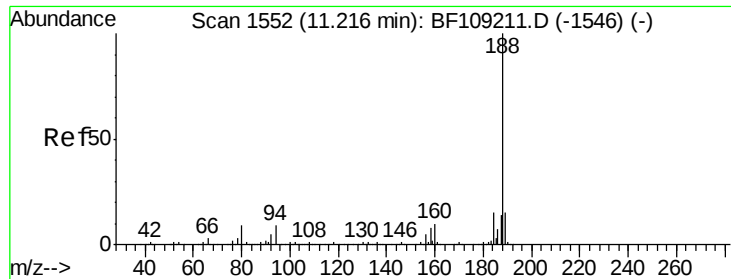
#55
 4-Nitrophenol
 Concen: 2.333 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.02 min
 Lab File: BF109311.D
 Acq: 26 Sep 2018 2:59

Tgt Ion:139 Resp: 4721
 Ion Ratio Lower Upper
 139 100
 109 232.3 48.4 88.4#
 65 55.1 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF1





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.22 min Scan# 1553

Delta R.T. 0.01 min

Lab File: BF109311.D

Acq: 26 Sep 2018 2:59

Instrument :

BNA_F

ClientSampleId :

MAN-HOLE

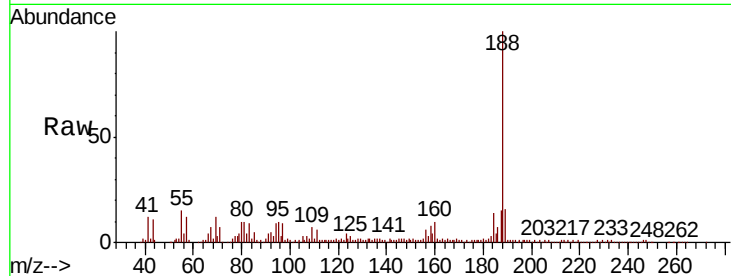
Tgt Ion:188 Resp: 251685

Ion Ratio Lower Upper

188 100

94 9.3 8.5 12.7

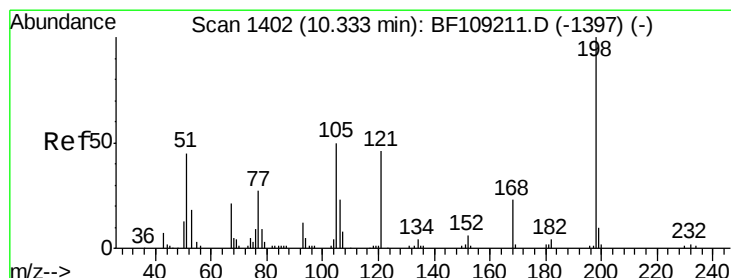
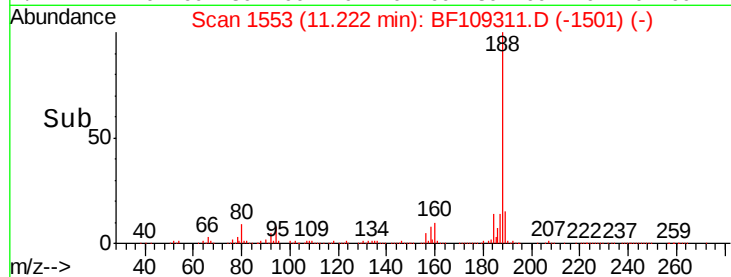
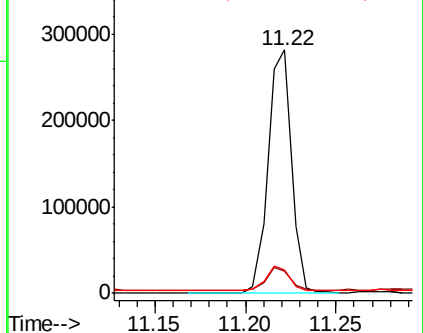
80 9.8 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64

4,6-Dinitro-2-methylphenol

Concen: 7.089 ng

RT: 10.36 min Scan# 1406

Delta R.T. 0.01 min

Lab File: BF109311.D

Acq: 26 Sep 2018 2:59

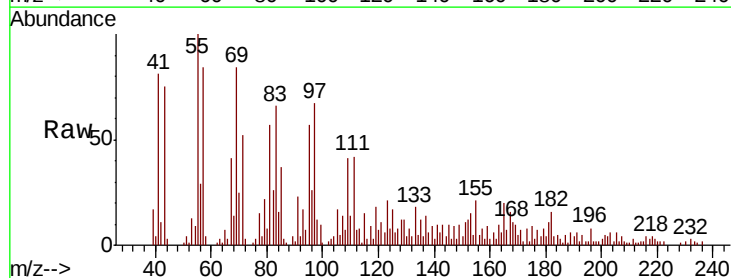
Tgt Ion:198 Resp: 664

Ion Ratio Lower Upper

198 100

51 205.9 37.7 77.7#

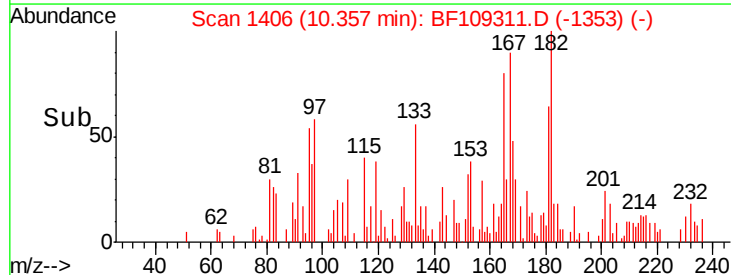
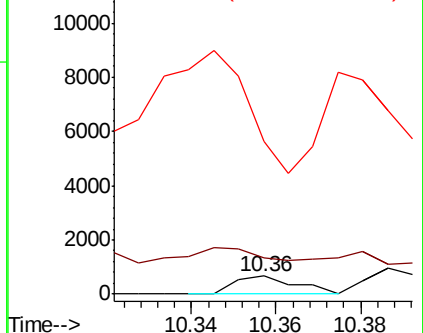
105 858.6 36.3 76.3#

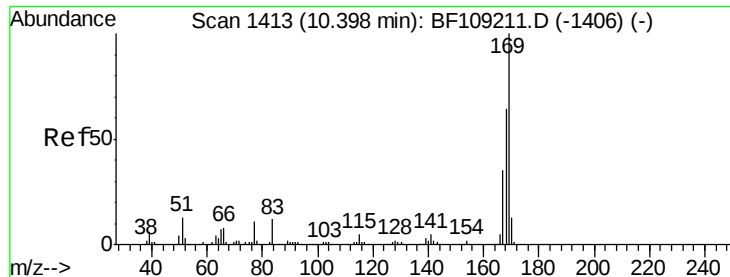


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

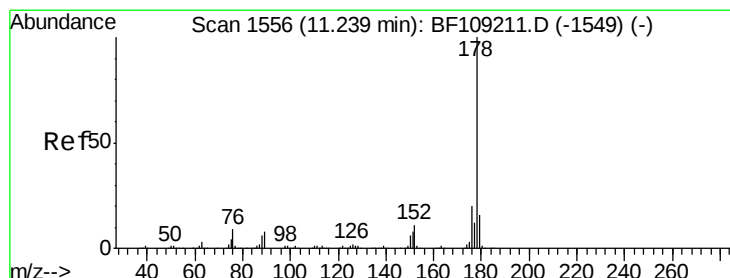
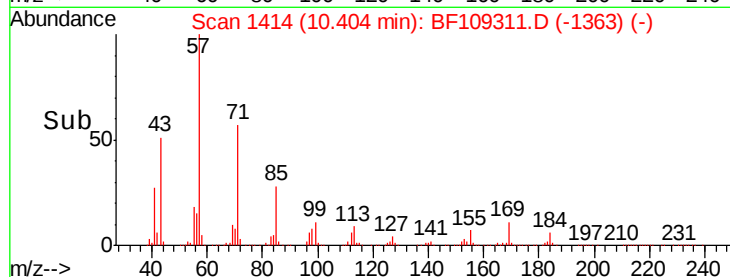
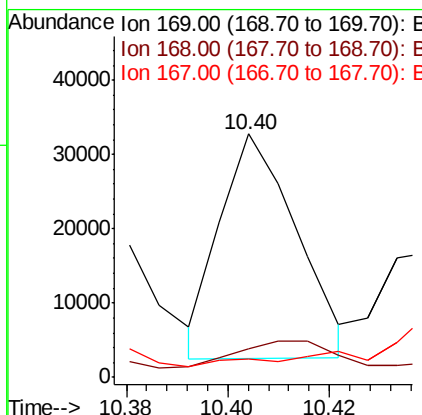
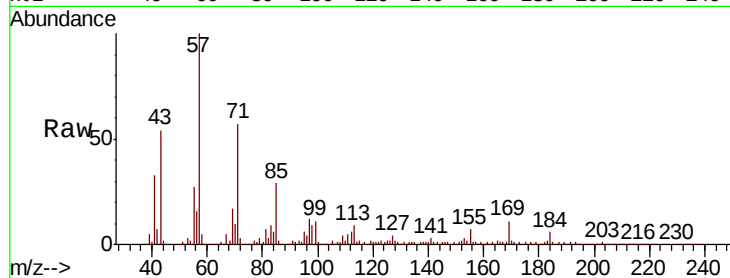




#65
 n-Nitrosodiphenylamine
 Concen: 3.847 ng
 RT: 10.40 min Scan# 1414
 Delta R.T. 0.00 min
 Lab File: BF109311.D
 Acq: 26 Sep 2018 2:59

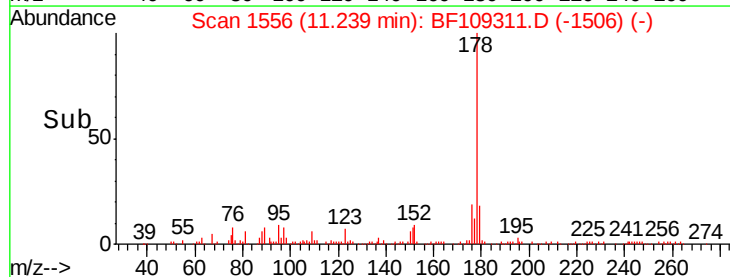
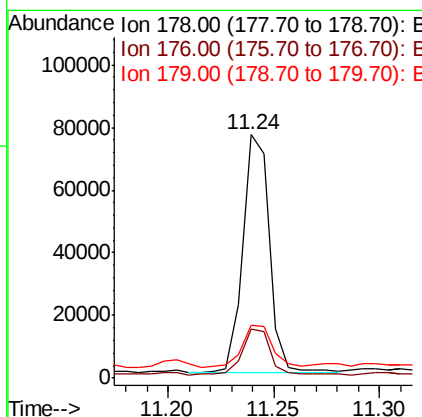
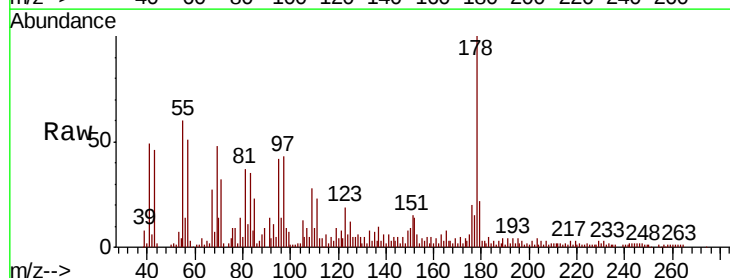
Instrument :
 BNA_F
 ClientSampleId :
 MAN-HOLE

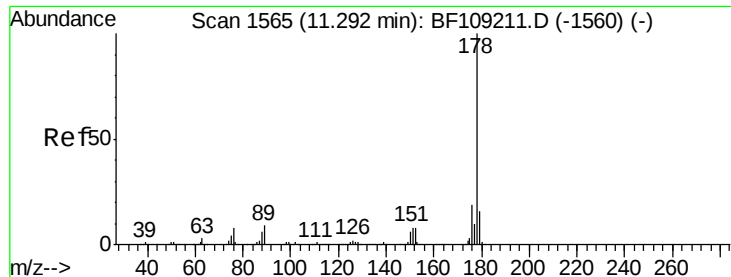
Tgt Ion:169 Resp: 31987
 Ion Ratio Lower Upper
 169 100
 168 11.9 54.4 81.6#
 167 7.5 29.8 44.6#



#70
 Phenanthrene
 Concen: 5.244 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF109311.D
 Acq: 26 Sep 2018 2:59

Tgt Ion:178 Resp: 65903
 Ion Ratio Lower Upper
 178 100
 176 20.1 15.8 23.8
 179 21.9 13.0 19.6#

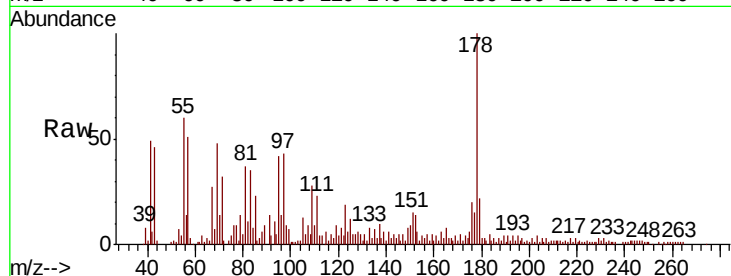




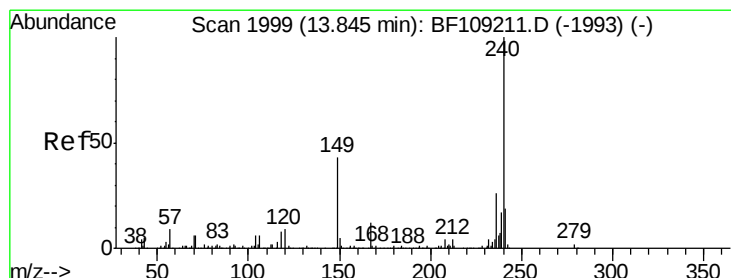
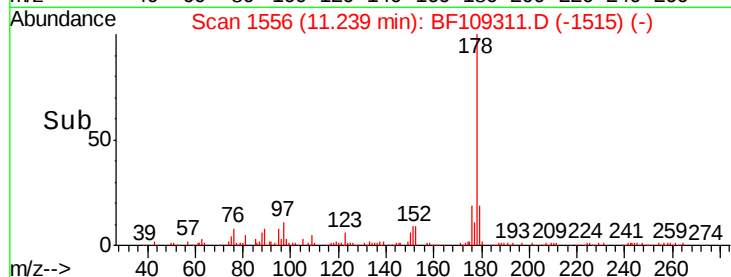
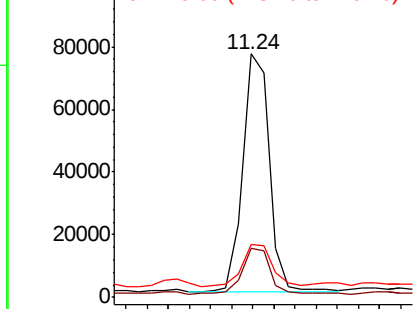
#71
 Anthracene
 Concen: 5.171 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.06 min
 Lab File: BF109311.D
 Acq: 26 Sep 2018 2:59

Instrument :
 BNA_F
 ClientSampleId :
 MAN-HOLE

Tgt Ion:178 Resp: 65903
 Ion Ratio Lower Upper
 178 100
 176 20.1 15.4 23.2
 179 21.9 12.6 19.0#

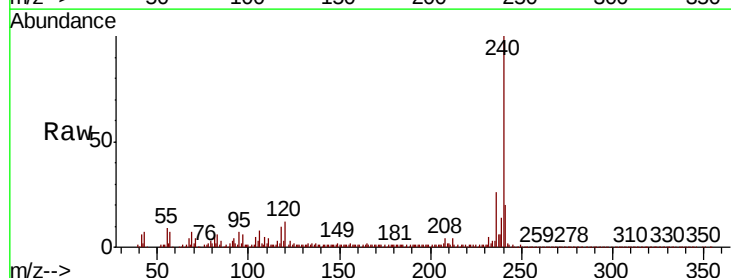


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

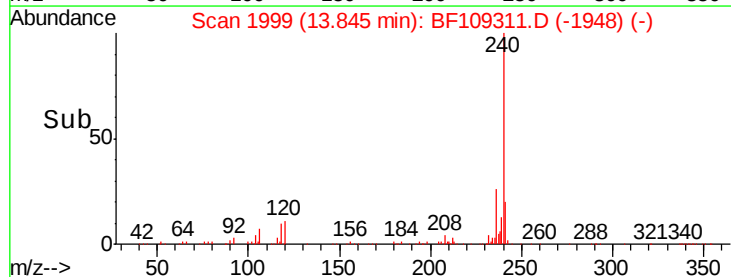
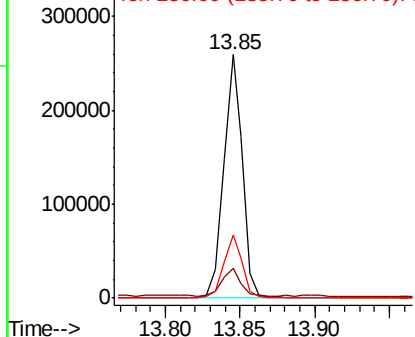


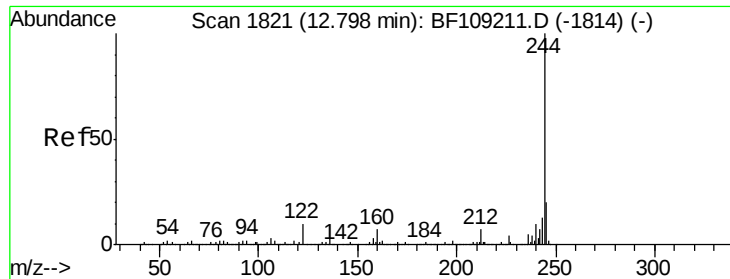
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.85 min Scan# 1999
 Delta R.T. 0.00 min
 Lab File: BF109311.D
 Acq: 26 Sep 2018 2:59

Tgt Ion:240 Resp: 226064
 Ion Ratio Lower Upper
 240 100
 120 12.2 9.5 14.3
 236 25.9 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 77.992 ng

RT: 12.80 min Scan# 1822

Delta R.T. 0.00 min

Lab File: BF109311.D

Acq: 26 Sep 2018 2:59

Instrument :

BNA_F

ClientSampleId :

MAN-HOLE

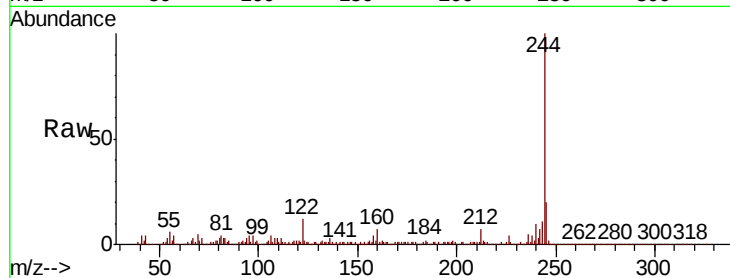
Tgt Ion:244 Resp: 718416

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

122 12.0 11.0 16.4



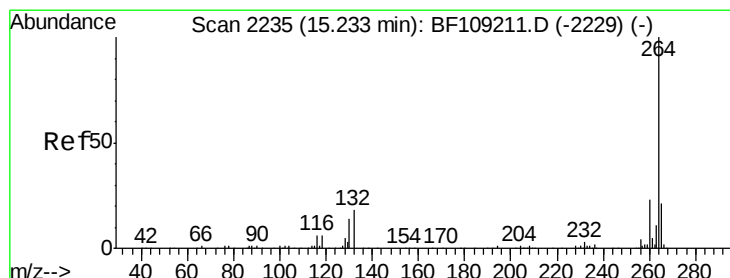
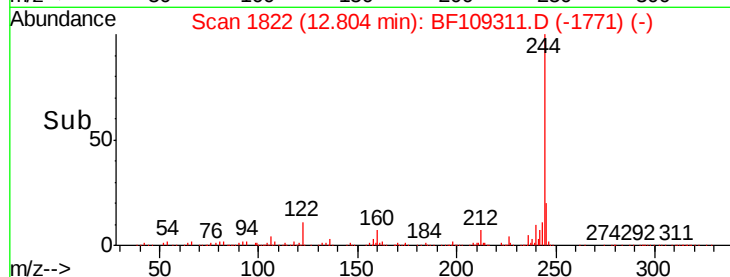
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

12.80

Time-->



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.24 min Scan# 2237

Delta R.T. 0.01 min

Lab File: BF109311.D

Acq: 26 Sep 2018 2:59

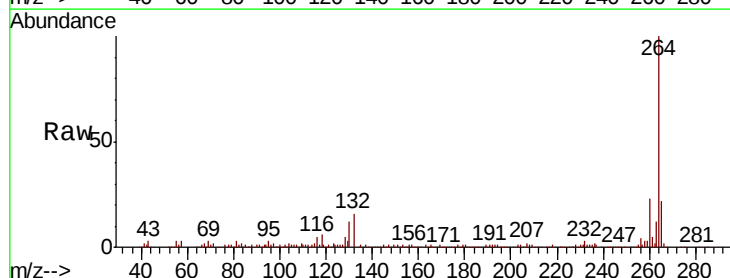
Tgt Ion:264 Resp: 171375

Ion Ratio Lower Upper

264 100

260 23.1 19.2 28.8

265 21.9 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

15.24

Time-->

